



Palmieri, V., Bozzi, M., Signorino, G., Papi, M., De Spirito, M., Brancaccio, A., Maulucci, G., & Sciandra, F. (2017). α -Dystroglycan hypoglycosylation affects cell migration by influencing β -dystroglycan membrane clustering and filopodia length: a multiscale confocal microscopy analysis. *Biochimica et Biophysica Acta (BBA) - Molecular Basis of Disease*, 1863(9), 2182-2191.
<https://doi.org/10.1016/j.bbadis.2017.05.025>

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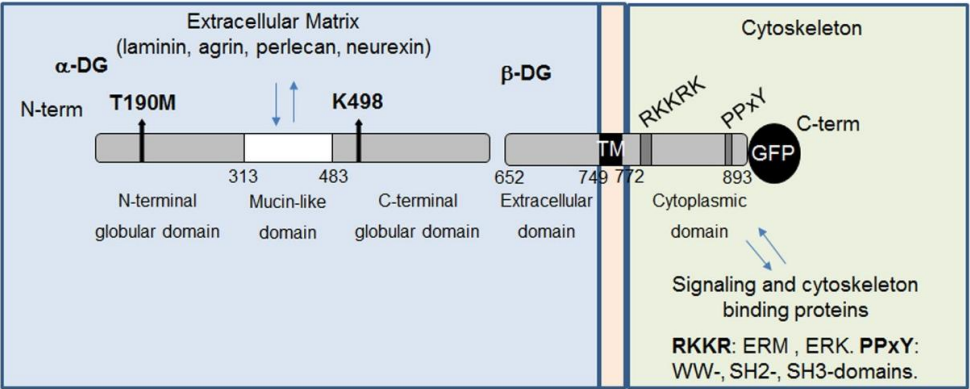
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Fig.1

A



B

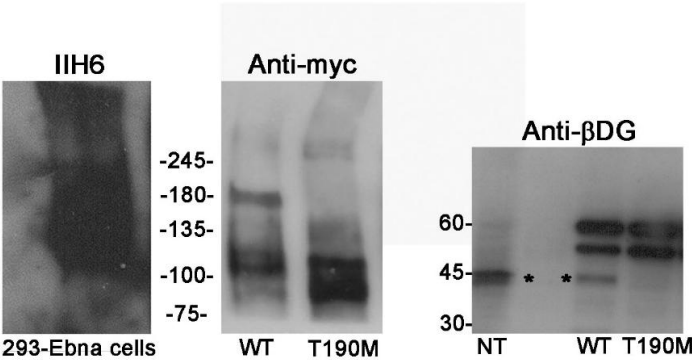


Fig.2

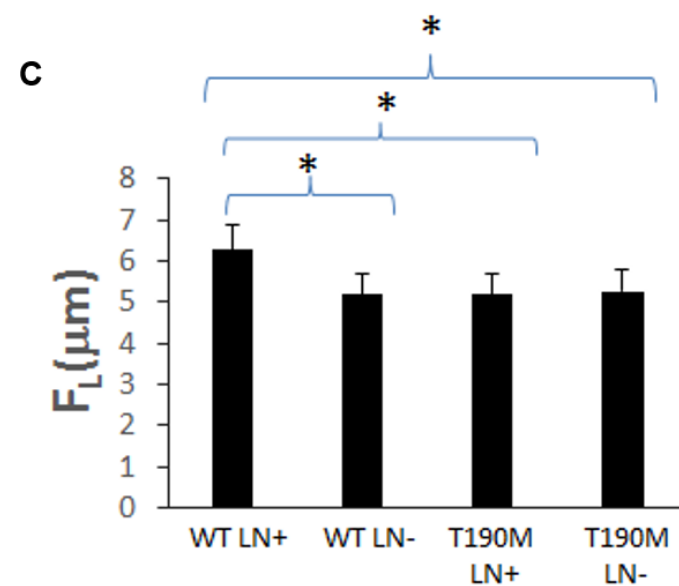
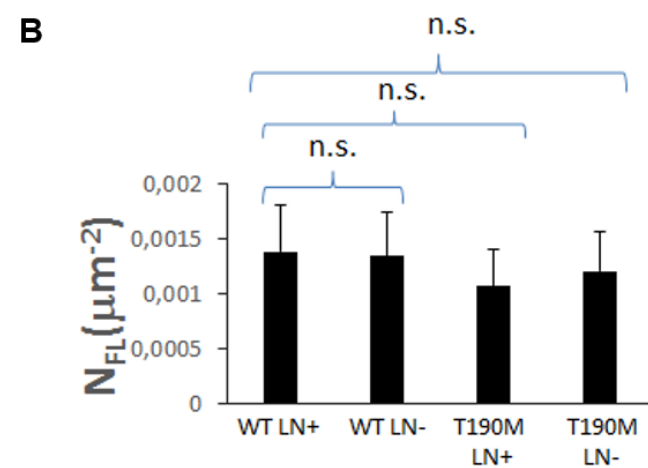
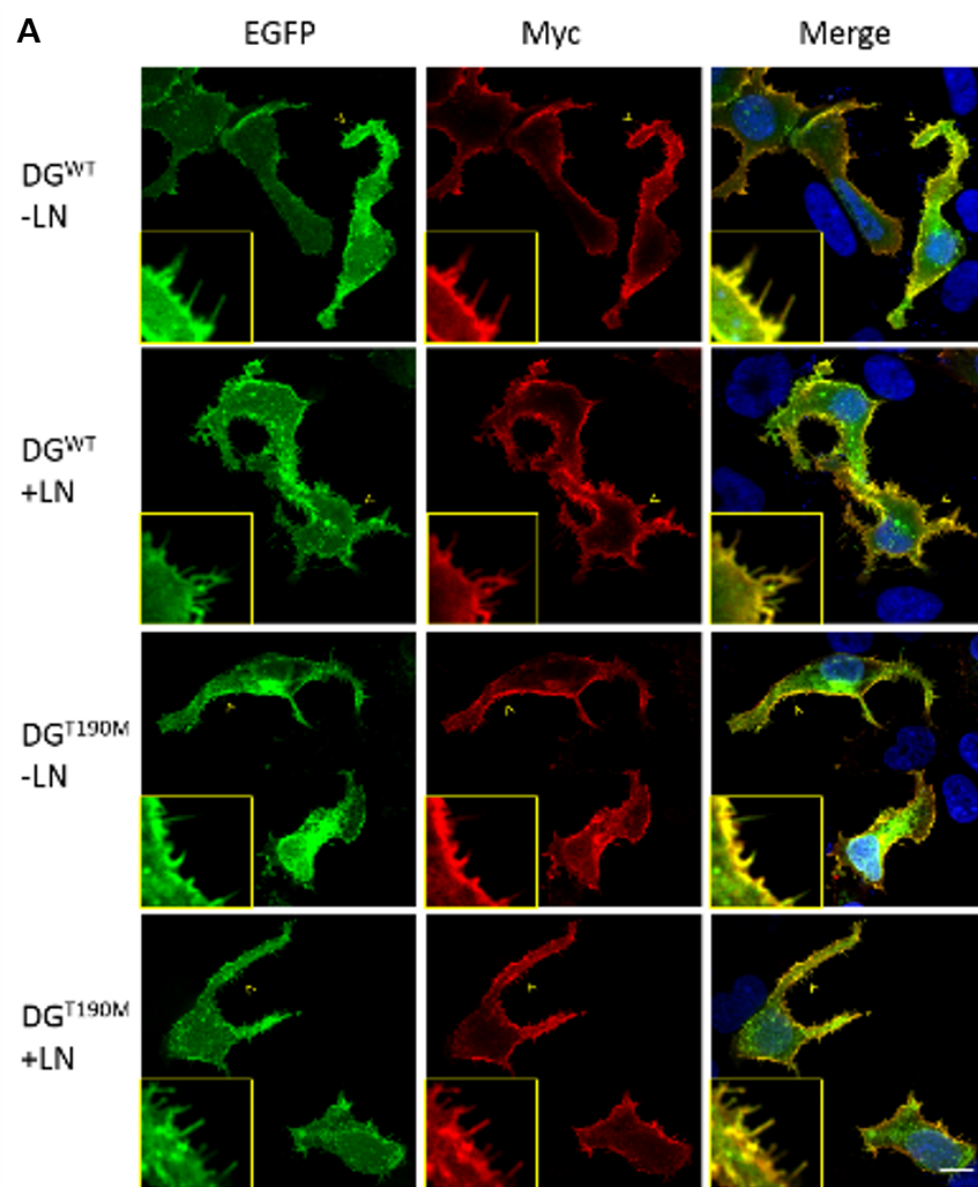


Fig.3

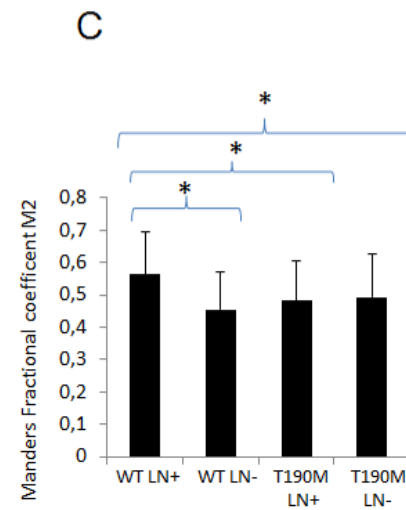
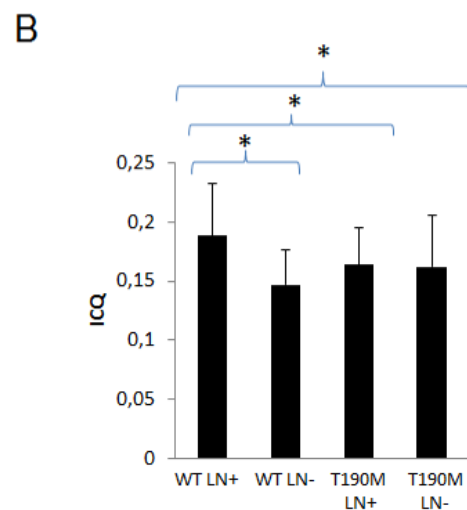
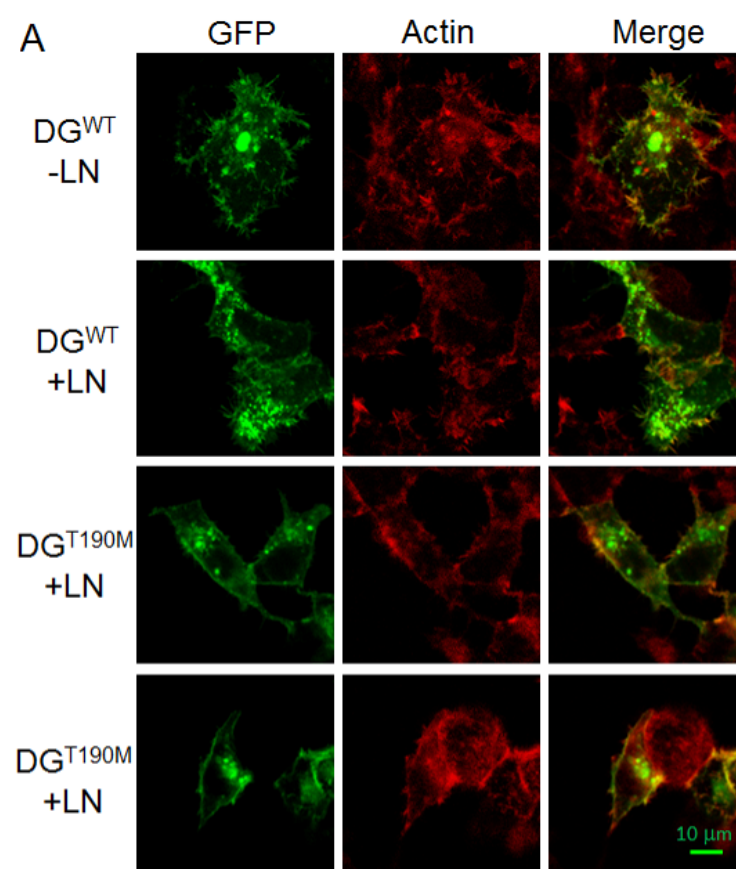


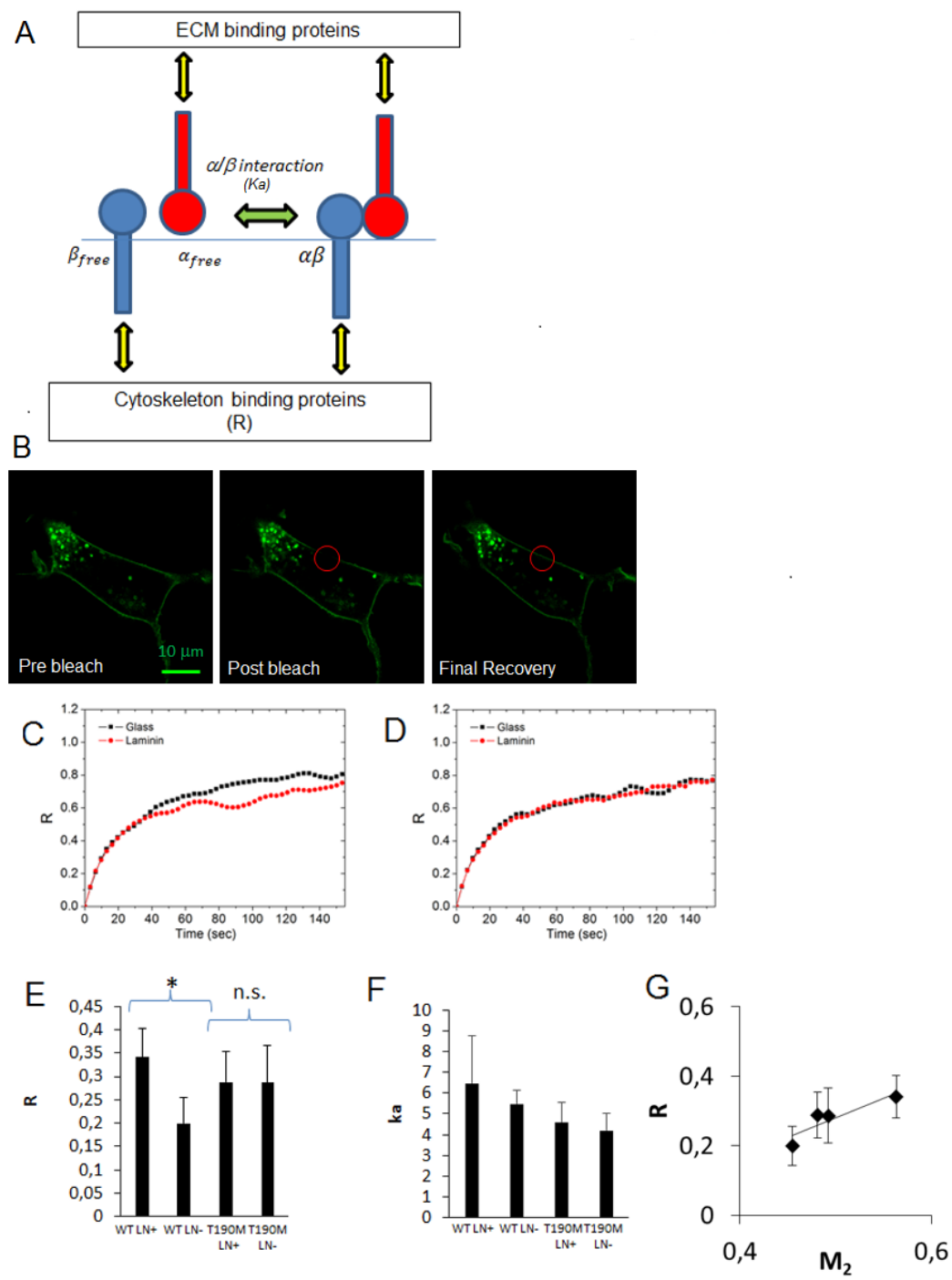
Fig.4

Fig.5

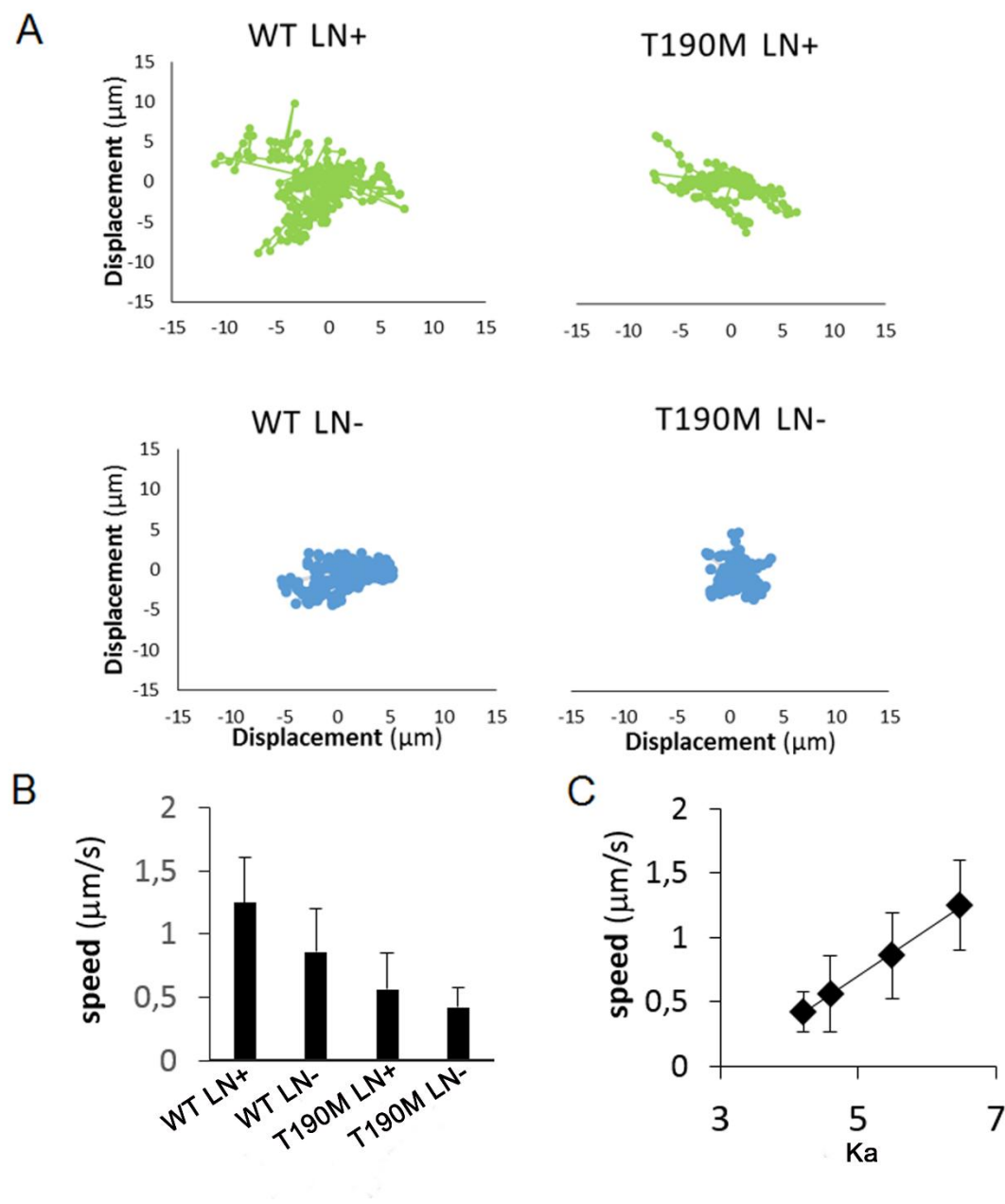
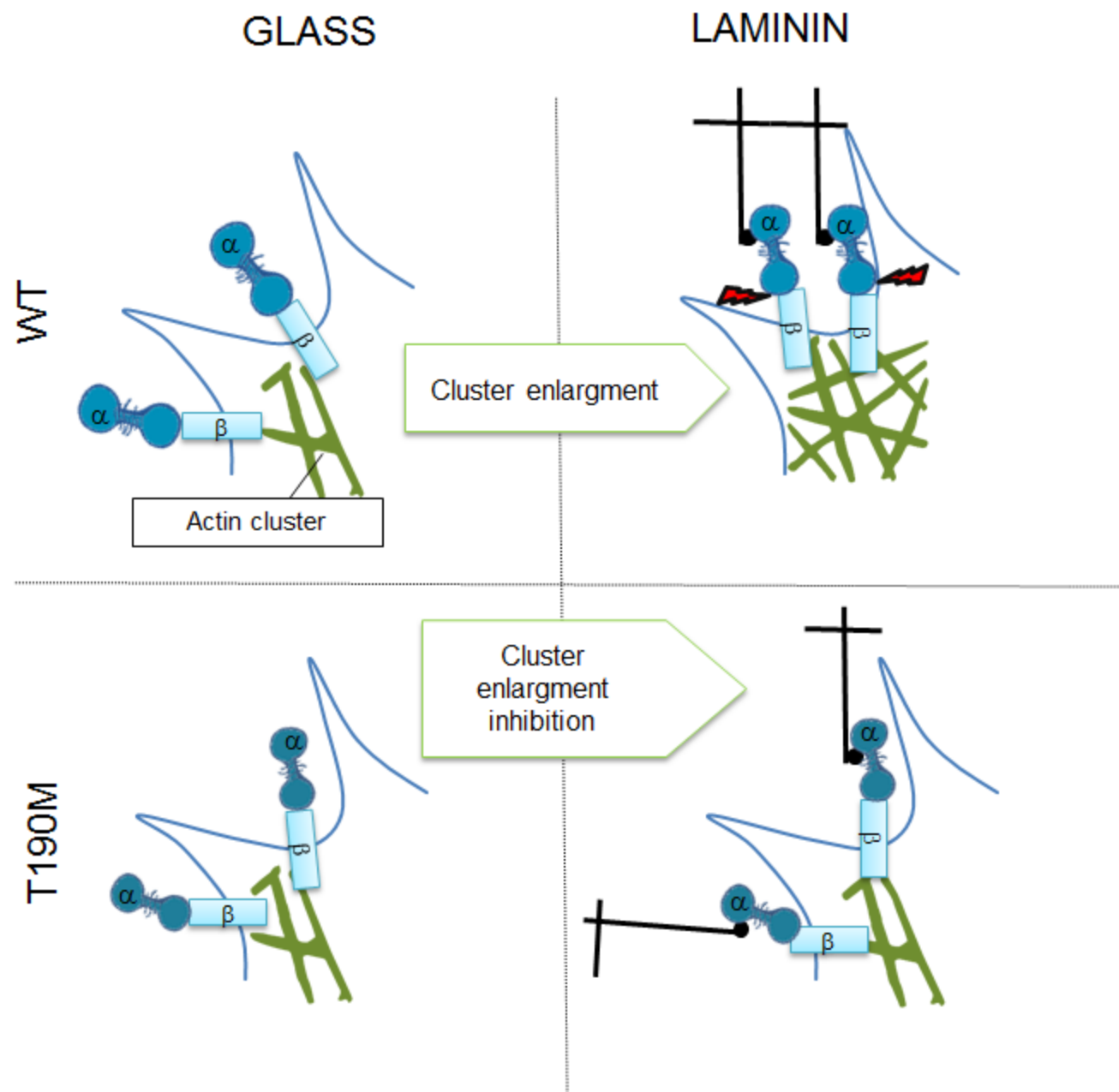


Fig.6



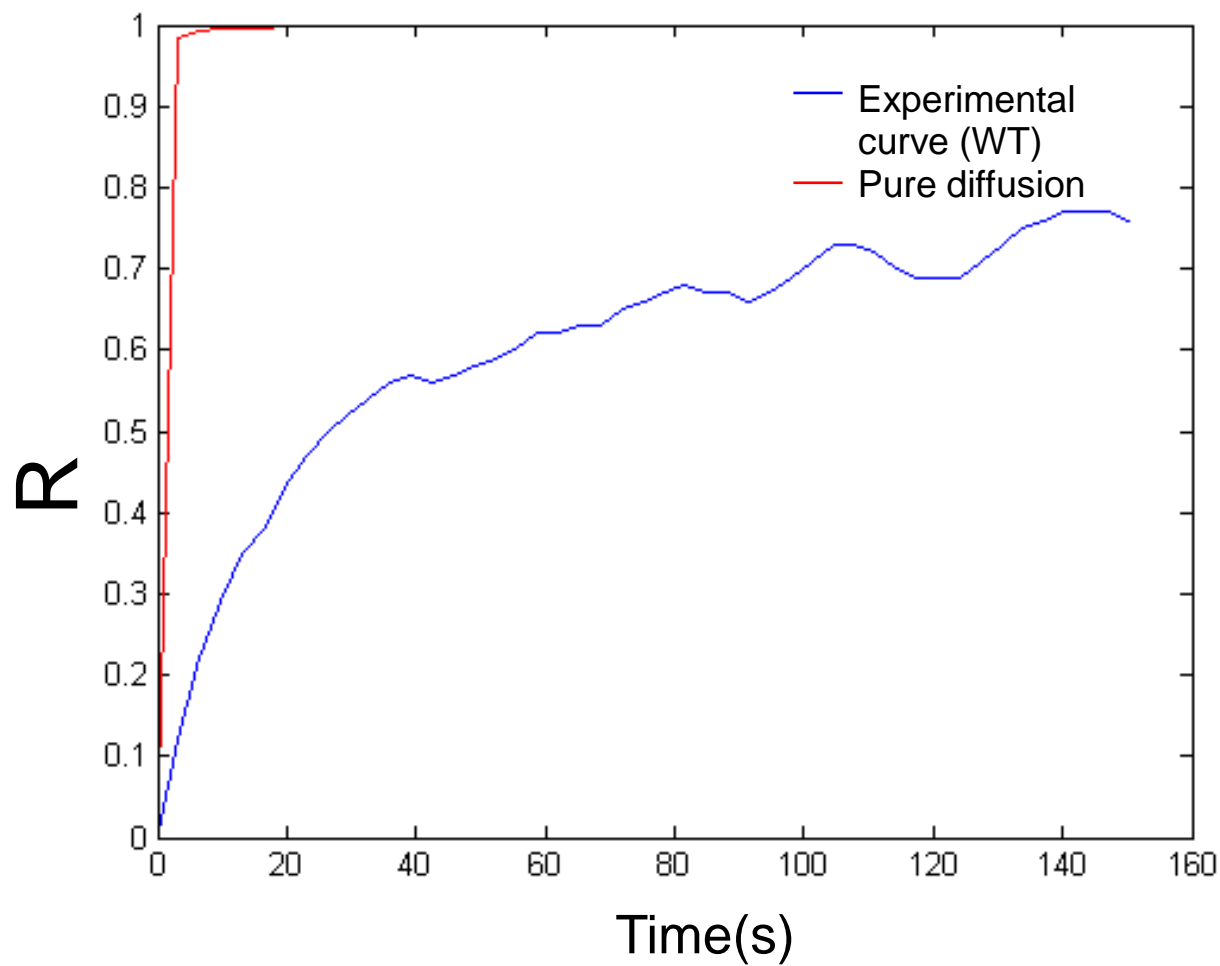


Fig.S1 Simulated pure diffusion behavior of DG-GFP compared to experimental curves
Compared experimental curves to the pure diffusion model [30] of DG^{WT} or DG^{T190M} (blue) using $D_f = 10.92 \mu\text{m}^2/\text{s}$, estimated from the measured value for GFP alone (red) ($15.0 \mu\text{m}^2/\text{s}$) by correcting for the additional mass of β -DG (43 kDa). Curves have been obtained with Matlab (Mathworks).